

PROJECT #	SDC 087 0000
DEPARTMENT	Public Works
DEPARTMENT CONTACT	Dave Snider

DESCRIPTION/JUSTIFICATION
<p>A phased approach to evaluate alternatives and design and construct the preferred alternative to reduce future flooding. The first phase of this project involves an alternatives analysis to determine the best solution to prevent future flooding. One potential alternative was already eliminated because of downstream capacity concerns. Other options include the following: A) Add more infiltration in right-of-way (ROW) or increase the size of the existing facility to maximum extent. Infiltration added in ROW shall be bioinfiltration swales, or equivalent. B) Utilize deep infiltration, such as a underground injection control (UIC) well, for high flow bypass. Deep infiltration shall be located in ROW, with a high flow bypass pipe leading from the dry well to the UIC well.</p>

[illegible][illegible]

**CITY OF KIRKLAND
CAPITAL IMPROVEMENT PROGRAM
2019 TO 2024**

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PROJECT TITLE	SILVER SPURS FLOOD REDUCTION
CRITERIA	PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)
Amount of public disruption and inconvenience caused	<i>During construction of this project, adjacent property owners and motorists will be impacted by construction equipment and possible traffic detours.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Improvements to surface water quality will have a significantly positive environmental effect.</i>
Responds to an urgent need or opportunity	<i>This project is identified as a high priority in the Surface Water Master Plan.</i>
Feasibility, including public support and project readiness	<i>During the design development, community involvement will be addressed. This project does not present significant engineering issues. Permitting and environmental issues will be addressed during design.</i>
Conforms to legal or contractual obligations	<i>Projects will be designed and constructed per professional and legal guidelines.</i>
Responds to state and/or federal mandate	<i>Supports City National Pollutant Discharge Elimination System (NPDES) Phase II permit compliance.</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Continued degradation of surface water.</i>
CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN	Name of Neighborhood(s) in which located: <i>South Rose Hill</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? Attachment <input type="checkbox"/> (Specify)
LEVEL OF SERVICE IMPACT	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.